

ATTACHMENT D

FY 2005 SCHEDULE OF REGULATORY FEES

Regulatory fees for the categories shaded in gray are collected by the Commission in advance to cover the term of the license and are submitted along with the application at the time the application is filed.

Fee Category	Annual Regulatory Fee (U.S. \$'s)
PLMRS (per license) (Exclusive Use) (47 CFR part 90)	10
Microwave (per license) (47 CFR part 101)	50
218-219 MHz (Formerly Interactive Video Data Service) (per license) (47 CFR part 95)	50
Marine (Ship) (per station) (47 CFR part 80)	15
Marine (Coast) (per license) (47 CFR part 80)	10
General Mobile Radio Service (per license) (47 CFR part 95)	5
Rural Radio (47 CFR part 22) (previously listed under the Land Mobile category)	5
PLMRS (Shared Use) (per license) (47 CFR part 90)	5
Aviation (Aircraft) (per station) (47 CFR part 87)	5
Aviation (Ground) (per license) (47 CFR part 87)	15
Amateur Vanity Call Signs (per call sign) (47 CFR part 97)	2.08
CMRS Mobile/Cellular Services (per unit) (47 CFR parts 20, 22, 24, 27, 80 and 90)	.24
CMRS Messaging Services (per unit) (47 CFR parts 20, 22, 24 and 90)	.08
Broadband Radio Service (formerly MMDS/ MDS) (per license) (47 CFR part 21)	245
Local Multipoint Distribution Service-Block A (per call sign) (47 CFR, part 101)	505
Local Multipoint Distribution Service-Block B (per call sign) (47 CFR, part 101)	65
AM Radio Construction Permits	310
FM Radio Construction Permits	550
TV (47 CFR part 73) VHF Commercial	
Markets 1-10	61,975
Markets 11-25	44,675
Markets 26-50	32,025
Markets 51-100	18,800
Remaining Markets	4,625
Construction Permits	3,175

Fee Category	Annual Regulatory Fee (U.S. \$'s)
TV (47 CFR part 73) UHF Commercial	
Markets 1-10	20,025
Markets 11-25	17,525
Markets 26-50	10,050
Markets 51-100	6,125
Remaining Markets	1,725
Construction Permits	1,725
Satellite Television Stations (All Markets)	1,075
Construction Permits – Satellite Television Stations	535
Low Power TV, TV/FM Translators & Boosters (47 CFR part 74)	395
Broadcast Auxiliaries (47 CFR part 74)	10
CARS (47 CFR part 78)	155
Cable Television Systems (per subscriber) (47 CFR part 76)	.72
Interstate Telecommunication Service Providers (per revenue dollar)	.00243
Earth Stations (47 CFR part 25)	205
Space Stations (per operational station in geostationary orbit) (47 CFR part 25) also includes DBS Service (per operational station) (47 CFR part 100)	114,750
Space Stations (per operational system in non-geostationary orbit) (47 CFR part 25)	134,900
International Bearer Circuits (per active 64KB circuit)	2.01
International Public Fixed (per call sign) (47 CFR part 23)	1,800
International (HF) Broadcast (47 CFR part 73)	765

FY 2005 SCHEDULE OF REGULATORY FEES (continued)

FY 2005 RADIO STATION REGULATORY FEES						
Population Served	AM Class A	AM Class B	AM Class C	AM Class D	FM Classes A, B1 & C3	FM Classes B, C, C0, C1 & C2
<=25,000	625	475	375	450	550	725
25,001 – 75,000	1,225	925	550	675	1,125	1,250
75,001 – 150,000	1,825	1,150	750	1,125	1,550	2,300
150,001 – 500,000	2,750	1,950	1,125	1,350	2,375	3,000
500,001 – 1,200,000	3,950	2,975	1,875	2,250	3,750	4,400
1,200,001 – 3,000,00	6,075	4,575	2,825	3,600	6,100	7,025
>3,000,000	7,275	5,475	3,575	4,500	7,750	9,125

ATTACHMENT E

FACTORS, MEASUREMENTS AND CALCULATIONS THAT GO INTO DETERMINING
STATION SIGNAL CONTOURS AND ASSOCIATED POPULATION COVERAGESAM Stations

For stations with nondirectional daytime antennas, the theoretical radiation was used at all azimuths. For stations with directional daytime antennas, specific information on each day tower, including field ratio, phasing, spacing and orientation was retrieved, as well as the theoretical pattern root-mean-square of the radiation in all directions in the horizontal plane (RMS) figure milliVolt per meter (mV/m) @ 1 km for the antenna system. The standard, or modified standard if pertinent, horizontal plane radiation pattern was calculated using techniques and methods specified in §§73.150 and 73.152 of the Commission's rules.²⁵⁷ Radiation values were calculated for each of 360 radials around the transmitter site. Next, estimated soil conductivity data was retrieved from a database representing the information in FCC Figure R3²⁵⁸. Using the calculated horizontal radiation values, and the retrieved soil conductivity data, the distance to the city grade (5 mV/m) contour was predicted for each of the 360 radials. The resulting distance to city grade contours were used to form a geographical polygon. Population counting was accomplished by determining which 2000 block centroids were contained in the polygon. (A block centroid is the center point of a small area containing population as computed by the U.S. Census Bureau.) The sum of the population figures for all enclosed blocks represents the total population for the predicted city grade coverage area.

FM Stations

The greater of the horizontal or vertical effective radiated power (ERP) (kW) and respective height above average terrain (HAAT) (m) combination was used. Where the antenna height above mean sea level (HAMSL) was available, it was used in lieu of the average HAAT figure to calculate specific HAAT figures for each of 360 radials under study. Any available directional pattern information was applied as well, to produce a radial-specific ERP figure. The HAAT and ERP figures were used in conjunction with the Field Strength (50-50) propagation curves specified in 47 C.F.R. § 73.313 of the Commission's rules to predict the distance to the city grade (70 dBu (decibel above 1 microVolt per meter) or 3.17 mV/m) contour for each of the 360 radials.²⁵⁹ The resulting distance to city grade contours were used to form a geographical polygon. Population counting was accomplished by determining which 2000 block centroids were contained in the polygon. The sum of the population figures for all enclosed blocks represents the total population for the predicted city grade coverage area.

²⁵⁷ 47 C.F.R. §§ 73.150 and 73.152.

²⁵⁸ See *Map of Estimated Effective Ground Conductivity in the United States*, 47 C.F.R. § 73.190 Figure R3.

²⁵⁹ 47 C.F.R. § 73.313.

ATTACHMENT F

FY 2004 SCHEDULE OF REGULATORY FEES

Fee Category	Annual Regulatory Fee (U.S. \$'s)
PLMRS (per license) (Exclusive Use) (47 CFR part 90)	10
Microwave (per license) (47 CFR part 101)	50
218-219 MHz (Formerly Interactive Video Data Service) (per license) (47 CFR part 95)	50
Marine (Ship) (per station) (47 CFR part 80)	15
Marine (Coast) (per license) (47 CFR part 80)	10
General Mobile Radio Service (per license) (47 CFR part 95)	5
Rural Radio (47 CFR part 22) (previously listed under the Land Mobile category)	5
PLMRS (Shared Use) (per license) (47 CFR part 90)	5
Aviation (Aircraft) (per station) (47 CFR part 87)	5
Aviation (Ground) (per license) (47 CFR part 87)	15
Amateur Vanity Call Signs (per call sign) (47 CFR part 97)	2.08
CMRS Mobile/Cellular Services (per unit) (47 CFR parts 20, 22, 24, 27, 80 and 90)	.25
CMRS Messaging Services (per unit) (47 CFR parts 20, 22, 24 and 90)	.08
Multipoint Distribution Services (MMDS/ MDS) (per call sign) (47 CFR part 21)	270
Local Multipoint Distribution Service (per call sign) (47 CFR, part 101)	270
AM Radio Construction Permits	465
FM Radio Construction Permits	1,650
TV (47 CFR part 73) VHF Commercial	
Markets 1-10	60,375
Markets 11-25	41,475
Markets 26-50	29,175
Markets 51-100	17,575
Remaining Markets	4,050
Construction Permits	4,650
TV (47 CFR part 73) UHF Commercial	
Markets 1-10	17,775
Markets 11-25	16,175

Fee Category	Annual Regulatory Fee (U.S. \$'s)
Markets 26-50	9,300
Markets 51-100	5,550
Remaining Markets	1,650
Construction Permits	5,675
Satellite Television Stations (All Markets)	1,050
Construction Permits – Satellite Television Stations	520
Low Power TV, TV/FM Translators & Boosters (47 CFR part 74)	385
Broadcast Auxiliary (47 CFR part 74)	10
CARS (47 CFR part 78)	135
Cable Television Systems (per subscriber) (47 CFR part 76)	.70
Interstate Telecommunication Service Providers (per revenue dollar)	.00218
Earth Stations (47 CFR part 25)	200
Space Stations (per operational station in geostationary orbit) (47 CFR part 25) also includes Direct Broadcast Satellite Service (per operational station) (47 CFR part 100)	114,675
Space Stations (per operational system in non-geostationary orbit) (47 CFR part 25)	131,400
International Bearer Circuits (per active 64KB circuit)	2.52
International Public Fixed (per call sign) (47 CFR part 23)	1,750
International (HF) Broadcast (47 CFR part 73)	745

FY 2004 SCHEDULE OF REGULATORY FEES (continued)

FY 2004 RADIO STATION REGULATORY FEES						
Population Served	AM Class A	AM Class B	AM Class C	AM Class D	FM Classes A, B1 & C3	FM Classes B, C, C0, C1 & C2
<=25,000	600	450	350	425	525	675
25,001 – 75,000	1,200	900	525	625	1,050	1,175
75,001 – 150,000	1,800	1,125	700	1,075	1,450	2,200
150,001 – 500,000	2,700	1,925	1,050	1,275	2,225	2,875
500,001 – 1,200,000	3,900	2,925	1,750	2,125	3,550	4,225
1,200,001 – 3,000,00	6,000	4,500	2,625	3,400	5,775	6,750
>3,000,000	7,200	5,400	3,325	4,250	7,350	8,775